HES 2000-IP-001143U1D2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	B. Raghava Reddy;)	
	Larry S. Eoff; J. Michael Wilson	n;)	
	Donald L. Whitfill;)	
	Denise Berryhill;) Art Unit:	Unknown
	Russell M. Fitzgerald;)	
	Thomas Becker and)	
	Jimmie D. Weaver)	
)	
Serial No.:	Unknown)	
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Filed:	Concurrently Herewith)	
) Examiner:	Unknown
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FOR	MATIONS OR FORMING)	
CHE	MICAL CASING OR BOTH)	
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INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Sir:

The following documents are known to Applicants or Applicants' attorneys and are submitted for the Examiner to consider in the above-captioned application.

U.S. PATENTS

- U.S. Patent No. 2,562,866 issued on July 31, 1951 to Stewart S. Kurtz, Jr. et al.
- U.S. Patent No. 2,730,497 issued on January 10, 1956 to Tzeng Jiueq Suen et al.
- U.S. Patent No. 3,976,135 issued on August 24, 1976 to Buddy W. Anderson.
- U.S. Patent No. 4,042,032 issued August 16, 1977 to Buddy W. Anderson et al.
- U.S. Patent No. 4,105,618 issued on August 8, 1978 to Thomas R. Sifferman et al.
- U.S. Patent No. 4,579,668 issued on April 1, 1986 to Joseph U. Messenger.

- U.S. Patent No. 4,671,883 issued on June 9, 1987 to David L. Connell et al.
- U.S. Patent No. 4,784,223 issued on November 15, 1988 to Robert N. Worrall et al.
- U.S. Patent No. 4,821,802 issued April 18, 1989 to Clifford N. Meltz et al.
- U.S. Patent No. 4,964,465 issued October 23, 1990 to Billy W. Surles.
- U.S. Patent No. 5,094,762 issued on March 10, 1992 to Shawqui M. Lahalih.
- U.S. Patent No. 5,458,195 issued on October 17, 1995 to Patty L. Totten et al.
- U.S. Patent No. 5,569,324 issued October 29, 1996 to Patty L. Totten et al.
- U.S. Patent No. 5,578,672 issued November 26, 1996 to Gary W. Beall et al.
- U.S. Patent No. 5,911,282 issued June 15, 1999 to David D. Onan et al.
- U.S. Patent No. 5,913,364 issued June 22, 1999 to Ronald E. Sweatman.
- U.S. Patent No. 5,945,387 issued August 31, 1999 to Jiten Chatterji et al.
- U.S. Patent No. 5,968,879 issued October 19, 1999 to David D. Onan et al.
- U.S. Patent No. 6,012,524 issued January 11, 2000 to Jiten Chatterji et al.
- U.S. Patent No. 6,059,035 issued May 9, 2000 to Jiten Chatterji et al.
- U.S. Patent No. 6,124,246 issued September 26, 2000 to James E. Heathman et al.
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- U.S. Patent No. 6,209,646 B1 issued April 3, 2001 to Baireddy R. Reddy et al.
- U.S. Patent No. 6,258,757 B1 issued July 10, 2001 to Ronald E. Sweatman et al.
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- U.S. Patent No. 2,356,302 issued August 22, 1944 to Thomas S. Chapman.

- U.S. Patent No. 2,649,159 issued August 18, 1953 to Jackson S. Boyer.
- U.S. Patent No. 3,087,544 issued April 30, 1963 to J.P. Forsman.
- U.S. Patent No. 3,126,959 issued March 31, 1964 to J.E. Ortloff.
- U.S. Patent No. 3,935,910 issued February 3, 1976 to Claude François Gaudy et al.
- U.S. Patent No. 4,199,484 issued April 22, 1980 to Joseph R. Murphey.
- U.S. Patent No. 4,301,016 issued November 17, 1981 to David B. Carriere et al.
- U.S. Patent No. 4,649,998 issued March 17, 1987 to Robert H. Friedman.
- U.S. Patent No. 4,722,397 issued February 2, 1988 to Robert D. Sydansk et al.
- U.S. Patent No. 4,760,882 issued August 2, 1988 to Lucille H. Novak.
- U.S. Patent No. 4,811,789 issued March 14, 1989 to Alfred R. Jennings, Jr. et al.
- U.S. Patent No. 5,295,541 issued March 22, 1994 to Ricky C. Ng et al.
- U.S. Patent No. 5,558,171 issued September 24, 1996 to Raymond E. McGlothlin et al.
- U.S. Patent No. 5,711,383 issued January 27, 1998 to Dralen T. Terry et al.
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- U.S. Patent No. 5,866,516 issued February 2, 1999 to C. Richard Costin.
- U.S. Patent No. 6,107,256 issued August 22, 2000 to Rebecca G. Udarbe et al.
- U.S. Patent No. 6,482,776 B1 issued November 19, 2002 to Gary F. Matz et al.
- U.S. Patent No. 6,508,306 B1 issued January 21, 2003 to B. Raghava Reddy et al.
- U.S. Patent No. 6,176,315 B1 issued January 23, 2001 to Baireddy R. Reddy et al.

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International Publication Number WO 01/98626 A1 published on December 27, 2001.

International Publication Number WO 01/98627 A1 published on December 27, 2001.

International Publication Number WO 02/04784 A2 published on January 17, 2002.

European Patent Application Number EP 0 997 515 A1 published May 3, 2000.

OTHER MATERIAL

Abstract No. XP-002255423 entitled "Stabilizing reagents for drilling solution comprise derivative of polyethyleneimine which provide stability in presence of minerals and raise temperatures," by Gembitskii, P.A. et al.

Abstract No. XP-002255422 entitled "Lost circulation zone polymer plugging – uses hardener with adduct of polyethyleneimine and copper sulphate taken in specified proportion," by Abdurakhim, N. et al.

Copies of the aforementioned references and Form PTO-1449 are submitted herewith.

Respectfully submitted,

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ATTORNEY FOR APPLICANTS

FORM PTO-1449 (Modified)				ATTY. DOCKET NO. SERIAL NO. 2000-IP-001143u1D2 Unknown					
	APPI	ATENTS AND PUBL LICANT'S INFORM CLOSURE STATEME	ATION	APPLICANT B. Raghava Reddy et al.					
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INITIAL		Document No.	Date	Name	Class	Subclass	Appro	priate	
	AA	2,562,866	07/31/51	Kurtz, Jr. et al.	260	29.4			
	AB	2,730,497	01/10/56	Suen et al.	252	8.5			
-	AC	3,976,135	08/24/76	Anderson	166	276			
	AD	4,042,032	08/16/77	Anderson et al.	166	276			
	AE	4,105,618	08/08/78		260	33.6			
	AF	4,579,668	04/01/86	,	252	8.5			
	AG	4,671,883	06/09/87	Connell et al.	252	8.515	i	· · · · · · · · · · · · · · · · · · ·	
	AH	4,784,223	11/15/88	Worrall et al.	166	287			
	AI	4,821,802	04/18/89	Meltz et al.	166	270			
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	AR	solution co	Abstract No. XP-002255423 entitled "Stabilizing reagents for drilling solution comprise derivative of polyethyleneimine which provide						
		Gembitskii,	P.A. et			•	-		
	ĀS	plugging -	Abstract No. XP-002255422 entitled "Lost circulation zone polymer plugging - uses hardener with adduct of polyethyleneimine and copper						
		sulphate ta	aken in sp	ecified proportion,"	by Abd	urakhim, N.	et al		
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	AC	5,578,672	11/26/96	1		524	446			
	AD	5,911,282	06/15/99	Onan et	al.	175	72			
	AE	5,913,364	06/22/99	Sweatman		166	281			
	AF	5,945,387	08/31/99	Chatterj	i et al.	507	224			
	AG	5,968,879	10/19/99	Onan et	al.	507	202			
	AH	6,012,524	01/11/00	Chatterj	i et al.	166	295	<u> </u>		
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	AC	6,258,757 B1	07/10/01	Sweatman et al.	507	219	ļ			
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	AE	6,328,106 B1	12/11/01	Griffith et al.	166	295				
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	AG	2,356,302	08/22/44	Chapman Chapman	252	8.5				
	АН	2,649,159	08/18/53	Boyer	166	22				
	ΑI	3,087,544	04/30/63	Forsman	166	295	<u> </u>			
	AJ	3,126,959	03/31/64	Ortloff	166	287	<u> </u>			
	AK	3,935,910	02/03/76	Gaudy et al.	175	17				
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	AB	4,301,016 4,649,998	11/07/81	Carriere et al.	252	8.5			
	AC	4,722,397	02/02/98	Friedman	166	294			
	AD	4,760,882	08/02/98	Sydansk et al. Novak	166	295			
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	AG	5,295,541	03/14/69	Ng	166 166	277			
	AH	5,558,171	09/24/96	McGlothlin et al.	175	64	ļ		
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